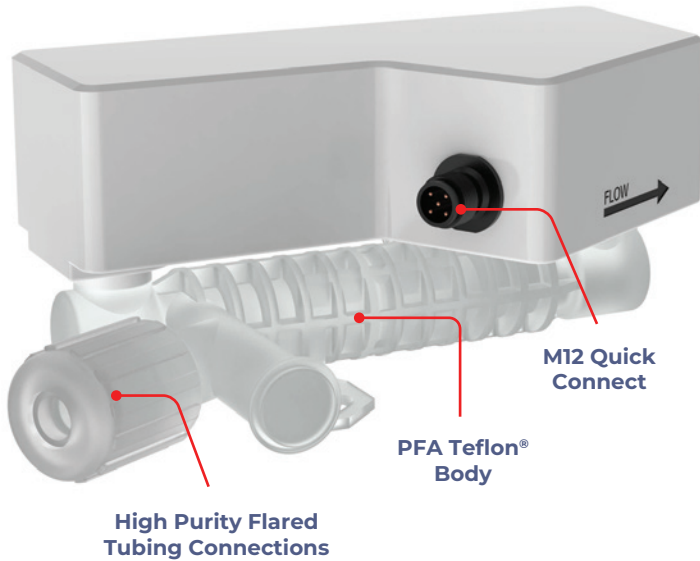


Truflo® — UltraFlo® 1000 SERIES

Ultrasonic Flow Meter

- ✔ Measures Dosing | Pulsating Flow
- ✔ No Moving Parts
- ✔ Ultra Low Flow Applications



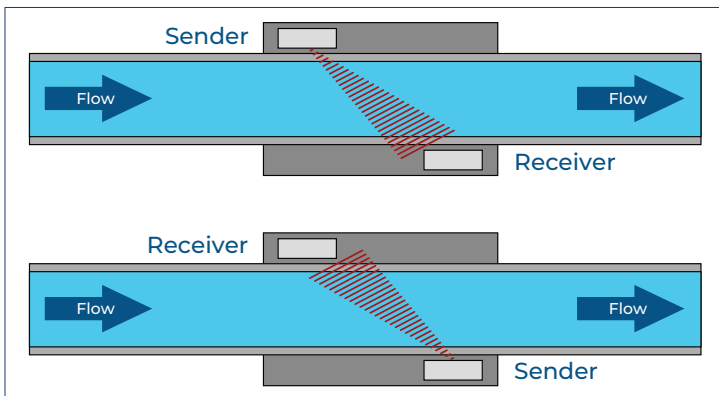
Product Description

The **UltraFlo® 1000** Flow Meter utilizes ultrasonic technology to measure both conductive and non conductive liquids, and is an excellent choice for very corrosive liquids such as strong acids and alkalis.

The **UltraFlo® 1000** has no moving parts and can measure pulsating, dosing and metering flow applications. All parts that contact the liquid are made of corrosion resistant PFA Teflon®.

The **UltraFlo® 1000** is characterized by its high measurement accuracy, repeatability and guaranteed long-life performance.

Working Principle



Featuring:

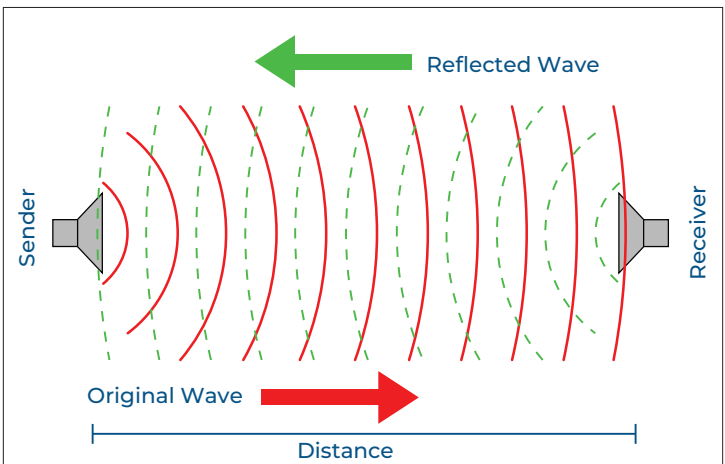
- ✔ All Plastic PFA Teflon® Wetted Materials
- ✔ High Accuracy: ± 1.0%
- ✔ M12 Quick Connect
- ✔ Flared End Connectors
- ✔ Superior Corrosion Resistance
- ✔ 4-20mA + Pulse Relay Output | RS-485
- ✔ Suitable for Ultra Pure Applications
- ✔ Negligible Pressure Drop
- ✔ Empty Pipe Alarm
- ✔ Air Bubble Detection

Flared Tubing Connections

- ✔ Perfect for High Purity Applications
- ✔ Leak-Free Performance
- ✔ Easy Installation Process
- ✔ Flaretek® Compatible



Sound Wave Technology



- ✔ 250 Pulses/sec
- ✔ No Moving Parts
- ✔ Full-Port Design
- ✔ Piezo-Type Sensing Transducers



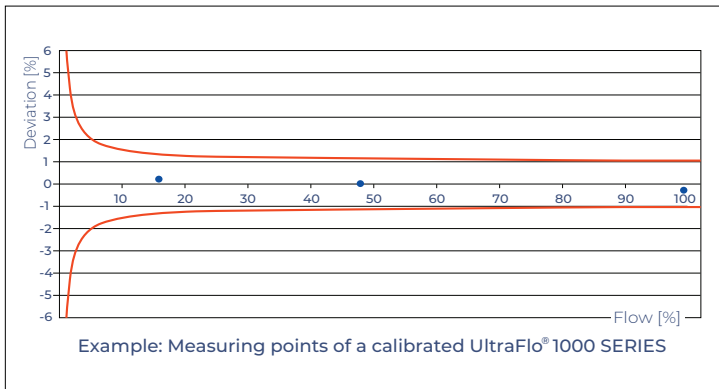
Truflo® — UltraFlo® 1000 SERIES

Ultrasonic Flow Meter

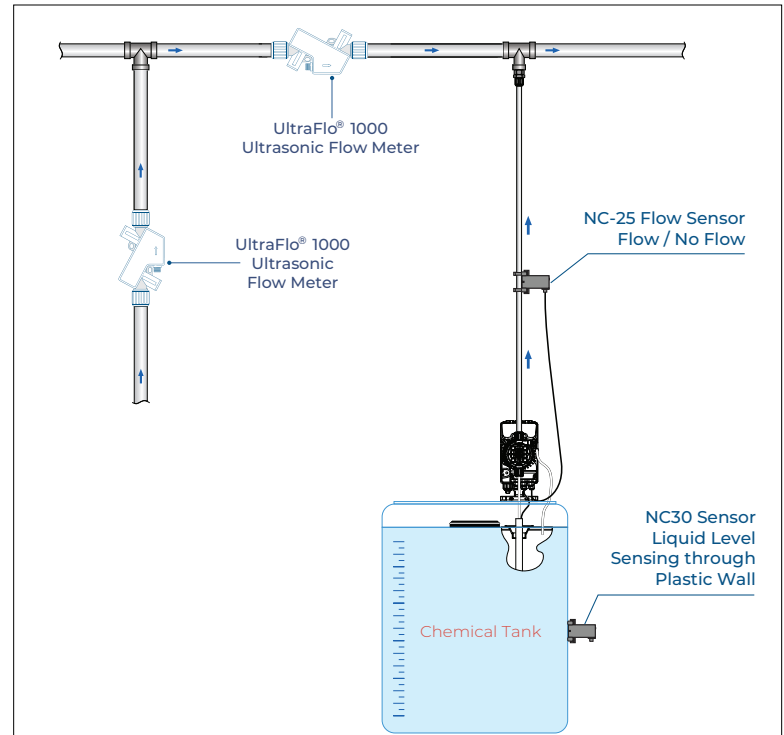
Technical Specifications

| General | | | | | |
|----------------------------------|---------|---|-----------------------|------------------------|-------------------------|
| Material | Pipe | PFA Teflon® | | | |
| | Housing | PP | | | |
| | Nut | PFA Teflon® NPT Adaption (Flare to NPT) | | | |
| Protection Class | | NEMA 4X IP67 | | | |
| Medium Temperature | | -40 to 248°F -40 to 120°C | | | |
| Measuring Range GPM LPM | | 0.005 - 1.6 0.02 - 9.0 | 0.08 - 6.3 0.3 - 24 | 0.24 - 15.8 0.9 - 60 | 0.32 - 31.7 1.2 - 120 |
| Max. Pressure Non-Shock | | 100 Psi 7 Bar | 100 Psi 7 Bar | 100 Psi 7 Bar | 100 Psi 7 Bar |
| Process Connection | | | | | |
| Sealless Tube Connection Flare | | 3/8" | 1/2" | 3/4" | 1" |
| Dimensions L W H mm | | 209 120 79 | 209 120 79 | 209 120 82 | 209 120 92 |
| Weight lbs | | 2.8 | 2.8 | 2.8 | 3.5 |
| Electrical | | | | | |
| Power Supply | | 24VDC 3.6W | | | |
| Connection | | M12 | | | |
| Output | | 4-20mA + Pulse Relay RS-485 | | | |
| Standards and Approvals | | | | | |
| CE FCC RoHS Compliant | | | | | |

Measuring Points



Application Sample



Model Selection

| UltraFlo® 1000 — Ultrasonic Flow Meter | | |
|--|--------------|---------------|
| Size | Part Number | Material |
| 3/8" | UFM-1000-37 | PFA (Teflon®) |
| 1/2" | UFM-1000-50 | PFA (Teflon®) |
| 3/4" | UFM-1000-75 | PFA (Teflon®) |
| 1" | UFM-1000-100 | PFA (Teflon®) |

* Calibration Tool Required for Programming.
Contact Factory for Options.